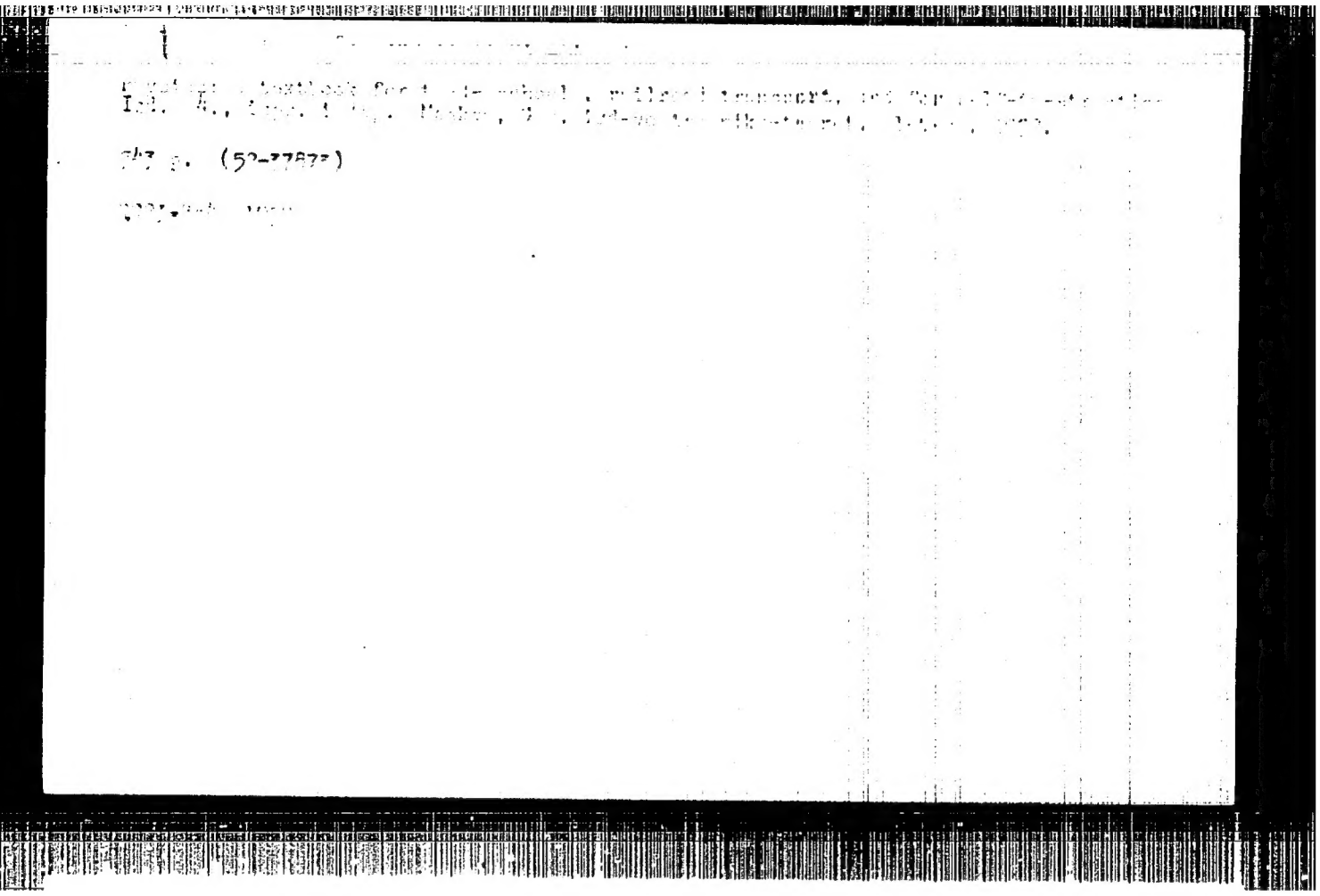
IL'YASHENKO, S.M.

Bystree zvuka: O reaktivnykh dvigatelyakh (Faster than sound: About jet engines), Voenizdat, Moscow, 1948, 56 pp;

II'YASHENKO, S.M.

Reaktivnaya tekhnika (Jet technology,) Izd DOSAAM, Moscow, 1951, 78 pp.



IL'YASHENKO, Sergey Mikhaylovich; USHAKOV, Mikhail Aleksandrovich, redaktor; BOGACHEV, F.V., redaktor; OSTRIKOV, N.S., tekhnicheskiy redaktor.

[Physics] Fizika. Moskva, Vsesoiuznoe uchebno-pedagog.izd-vo trud-reservizdat, 1955. 283 p. (MLRA 8:11)
(Physics)

IL'YASHENKO S. M.

PHASE I BOOK EXPLOITATION 585

Bondaryuk, Mikhail Makarovich and Il'yashenko, Sergey Mikhaylovich

Pryamotochnyye vozdushno-reaktivnyye dvigateli (Ramjet Engines) Moscow, Oborongiz, 1958. 391 p. 10,000 copies printed.

Ed. of Publishing House: Petrova, I. A.; Tech. Ed.: Rozhin, V. P.; Reviewer: Shchetinkov, Ye. S., Doctor of Technical Sciences, Professor; Ed.: Makurov, B. V., Engineer; Managing Ed.: Sokolov, A. I.

PURPOSE: This book is intended for engineers, specialists in aircraft-engine design and for students of aviation vuzes who are acquainted with basic thermodynamics and gas dynamics.

COVERAGE: The authors state that this book is the first attempt at a generalized compilation of information indispensable for understanding the physical processes of ramjet engines (hereafter abbreviated RJE) and also for analysis of their gas dynamics and thrust. Source materials for this book included monographs and periodical articles in Soviet and foreign technical publications, and also some research work of the authors.

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combustion process, chambers may be subdivided into single-shell and double-shell types. Both kinds may be of a vortex or stable-flow type. The authors also mention electrical and compression ignition, jet-swirl and pneumatic injection, and progressive and instant mixing. There are 19 references, of which 9 are Soviet (including 3 translations) and 10 are English.

In Chapter IX, "Subsonic RJE's," the authors describe the essential features of a subsonic RJE, and define its efficiency (7 percent) on the basis of the maximum obtainable intake pressure in a subsonic flight (1.89 times the atmospheric pressure). They give a method of analysis of these engines by successive approximations, and a method of computation of thrust characteristics of a real engine. They describe the most economical operating conditions and the speed and altitude characteristics of subsonic RJE's. They also mention various applications of subsonic RJE's. There are 14 references, of which 4 are Soviet and 10 English.

Chapter X, concerns "Supersonic RJE's." With modern fuels or atomic power the speed of continuous flight will be limited by the heat resistance of materials. At speeds of $M > 6$, the temperature from friction is higher than the melting point of steels. At $M \approx 4$, the specific consumption of fuel of a supersonic RJE is lower and the efficiency higher (more than 40 percent) than for any other type of engine. Various applications of supersonic RJE's are

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variable-area nozzles. There is no possibility of improvement of fixed-area nozzles. Engines working in various operating conditions must be provided with variable-area nozzles. The large store of energy accumulated in the ionized gas of the ionosphere may eventually be utilized in RJE's by means of a catalyst or by other devices. The authors mention the Soviet scientist Ya. B. Zel'dovich, who works in this field. The authors consider nuclear reactors for RJE's an immediate problem, and radioactive isotopes are mentioned as a possible source of energy. Beta batteries using artificial radioactive isotopes and producing electrical energy directly by radioactive decomposition are also mentioned as a potential source of energy for RJE's. At the end of the book 5 graphs of gas-dynamic functions are given:

1. $\tau(\lambda) = 1 - \frac{k-1}{k+1}\lambda^2$
2. $\pi(\lambda) = [\tau(\lambda)]^{\frac{k}{k-1}}$
3. $\varepsilon(\lambda) = [\tau(\lambda)]^{\frac{k}{k-1}}$
4. $q(\lambda) = \lambda\varepsilon(\lambda) = \lambda\left(1 - \frac{k-1}{k+1}\lambda^2\right)^{\frac{1}{k-1}}$
5. $z(\lambda) = \lambda + \frac{1}{\lambda}$

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and 5 entropy diagrams of dissociated combustion products of kerosene. The authors mention the following scientists responsible for elaboration of the supersonic RJE theory: S. F. Abramovich, B. S. Stechkin, and Zhuyev. In other fields Ye. S. Shchetinkov, G. I. Petrov, E. P. Ukhov, and I. A. Merkulov are mentioned.

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ISAKOV, Petr Kuz'mich; KAZNEVSKIY, Viktor Pavlovich; LUTSKIY, Valeriy Konstantinovich; RAPOPORT, Tamara Lyudvigovna; DOBRONRAVOV, V.V., prof., retsenzent; FOMIN, N.A., prof., retsenzent; MERKULOV, I.A., retsenzent; IL'YASHENKO, S.N., kand.tekhn. nauk, retsenzent; VARVAROV, N.A., retsenzent; PANTELEYEV, V.G., retsenzent; GLUKHOV, V.V., retsenzent; GORODINSKIY, L.M., red.; FURMAN, G.V., tekhred.

[Artificial earth satellites; 100 questions and answers] Iskusstvennye sputniki zemli; 100 voprosov i otvetov. Pod red. V.P.Kaznevskogo. Moskva, Obshchestvo po rasprostraneniiu polit. i nauchn.znanii, 1959. 95 p. (MIRA 12:6)
(Artificial satellites)

On the Spray-Pattern of the Liquid Fuel Swirl Atomizers

kinetic pressures the length of the fully preserved position of the film increases as the air pressure decreases. At higher relative speeds of fuel or at higher pressures of the medium, the aerodynamic forces acting on the film are large and the process of disintegration of the fuel film begins immediately behind the orifice without the assistance of the capillary waves. As the pressure increases, the aerodynamic forces increase as well and the atomization becomes finer. Thus, as the pressure is increased the mean diameter of droplets at first increases, reaches a maximum (the lower the relative velocity of fuel the higher the pressure at which this maximum is reached) and then begins to decrease. The relative velocities of fuel as practised in combustion chambers are rather high, hence the higher the air density the better is the atomization. On the basis of the experimental results obtained by various investigators, the author succeeded in deriving an empirical relation of Eq (1.1) to (1.3) of which Eq (1) gives the medium diameter of droplets, Eq (1.2) the weight rate of production of droplets and Eq (1.3) the parameter of the

On the Spray-Pattern of the Liquid Fuel Swirl Atomizers

effectiveness of atomization. This parameter depends on the nature of the temperature of the fuel used, as shown in Fig 2, which agrees well with Ref 7. Next the flow of fuel from a swirl atomizer placed against the air stream (Fig 1) is analysed using the findings of Ref 11 to 13. The result is Eq (2.11) giving the range of extension of the spray. As the air pressure is increased atomization improves, droplets slow down quicker and the range of the spray diminishes. As the air temperature increases its density diminishes, hence the atomization is worse and the range of the spray increases. But as the fuel temperature is increased, its density, viscosity and surface tension diminish, atomization improves and the range of the spray decreases. As the pressure in the fuel system increases, the initial velocity of the fuel increases, atomization improves and the range of the spray decreases in spite of high initial velocity of the droplets. By increasing the diameter of the orifice of the atomizer or by reducing the swirl of the fuel, atomization becomes worse and the

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On the Spray-Pattern of the Liquid Fuel Swirl Atomizers

range of the spray increases. The shape of the spray in the absence of rotation ($\omega = 0$) was analysed in Ref 14. The velocity and the coordinates of the trajectories of the droplets are as given by Eq (2.12) to (2.14); from the last relation, the author deduces the value of the limiting transverse radius of the spray as given by Eq (2.16). The effect of various parameters on this limiting transverse radius is shown in Fig 5 to 8 and the graphs show good agreement with the experimental results obtained by various investigators. Fig 5 shows the effect of fuel pressure; Fig 6 the effect of the air velocity; Fig 7 the effect of the fuel temperature and Fig 8 the effect of the fuel pressure and of the orifice diameter. There are 8 figures and 14 references, 8 of which are Soviet and 6 English.

SUBMITTED: November 3, 1959

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E191/E481

Spray Torches of Centrifugal Atomisers (Part II)

concentration of the fuel diminishes. Referring to earlier experiments, summarised by Abramovich, G.N. ("Turbulent Free Jet of Liquids and Gases" Energoizdat, Moscow-Leningrad, 1948), the axial concentrations of admixtures to a turbulent jet are inversely proportional, whilst its radius is directly proportional to the length of the base section. In order to ignite a non-vapourising torch in the wake of the atomiser, a stabiliser must be arranged. Burning can be maintained until the mixture impinging on the stabiliser does not exceed the separation limit. Referring to earlier literature, it is shown that the separation limits can be satisfactorily predicted for relatively large atomisers. There are 8 figures and 7 references: 5 Soviet and 2 English.

SUBMITTED: January 23, 1960

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S/147/60/000/004/008/016
E081/E235

26.1220

AUTHOR: Il'yashenko, S. M., (Moscow)

TITLE: Evaporation and Combustion of a Monopropellant in the Chamber of a Liquid Fuelled Rocket Engine

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Aviatsionnaya tekhnika, 1960, No. 4, pp. 72-82

TEXT: On the basis of three assumptions: (1) the evaporation of liquid fuel is the limiting process determining the kinetics of combustion, the parameters of the chamber, and its size; (2) the temperature of the combustion products is constant along all lengths of the chamber; (3) the evaporation of liquid fuel occurs from one end to the other at a gradually diminishing velocity such that the drops are subjected to an acceleration near to that of the gas, a mathematical analysis is made of the evaporation and combustion of fuel drops in the combustion chamber. Relations are derived and are shown graphically between the chamber parameters and length of the combustion zone, and between the chamber parameters and time of combustion of single component liquid fuel. The following conclusions are drawn: (1)

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Evaporation and Combustion of a Monopropellant in the Chamber of a Liquid Fuelled Rocket Engine

On improved atomisation, that is on decreasing the mean Sauter diameter (Abstracter's note: "Sauter" diameter, not defined in the paper) of the drops, the length of the combustion zone of single-component or pre-mixed fuel in the combustion chamber decreases. If the drops are very small (diameter < 30 microns), the evaporation velocity becomes larger than the mass velocity of micro-diffusional turbulent combustion and the theory ceases to approximate to the truth. (2) With increasing growth of gas temperature on combustion, that is with increasing heat productivity of the fuel, the evaporation and combustion velocities increase according to a logarithmic law, but combustion time and the required length of chamber both decrease. (3) With increasing mass flow of liquid fuel and thermal conductivity of the gases, the evaporation and combustion velocities increase, but with the growth of heat capacity and viscosity of the gases, and density of the fuel, they decrease. (4) The calculated length of the evaporation combustion zones of drops of single-component

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Evaporation and Combustion of a Monopropellant in the Chamber of a Liquid Fuelled Rocket Engine

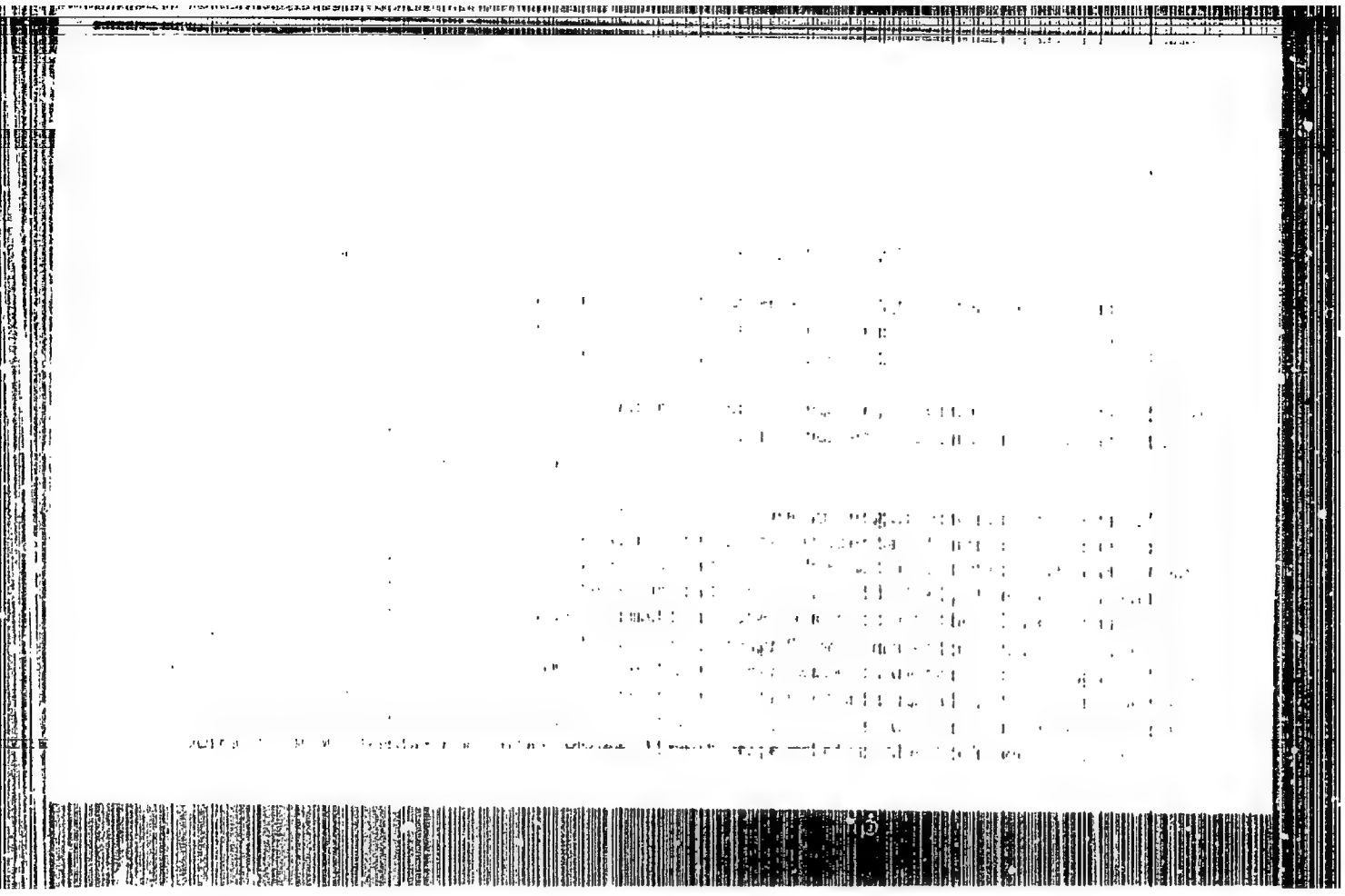
or pre-mixed liquid fuel are close to the chamber length found empirically. There are 4 figures and 8 references: 7 Soviet and 1 non-Soviet.

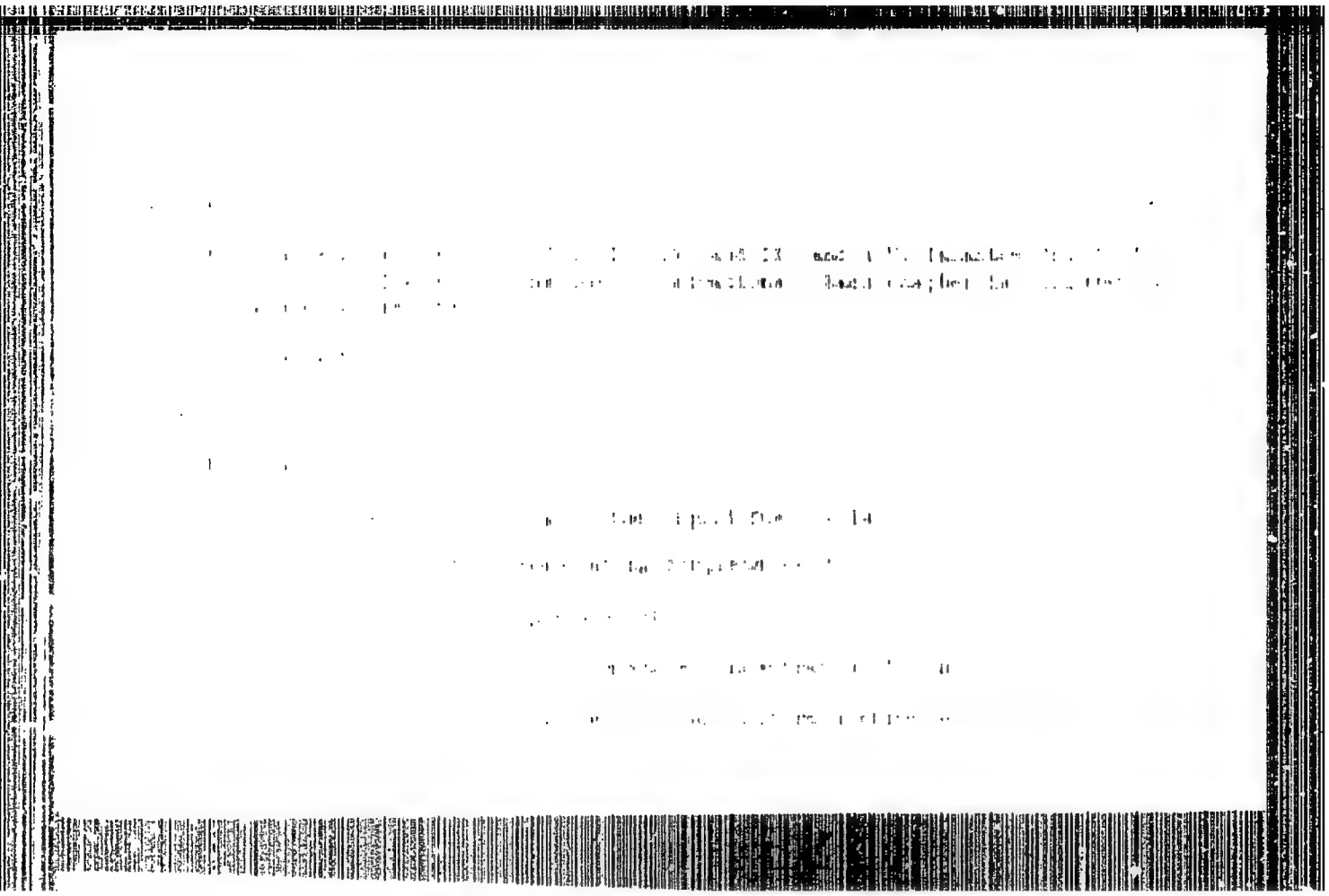
SUBMITTED: February 2, 1960

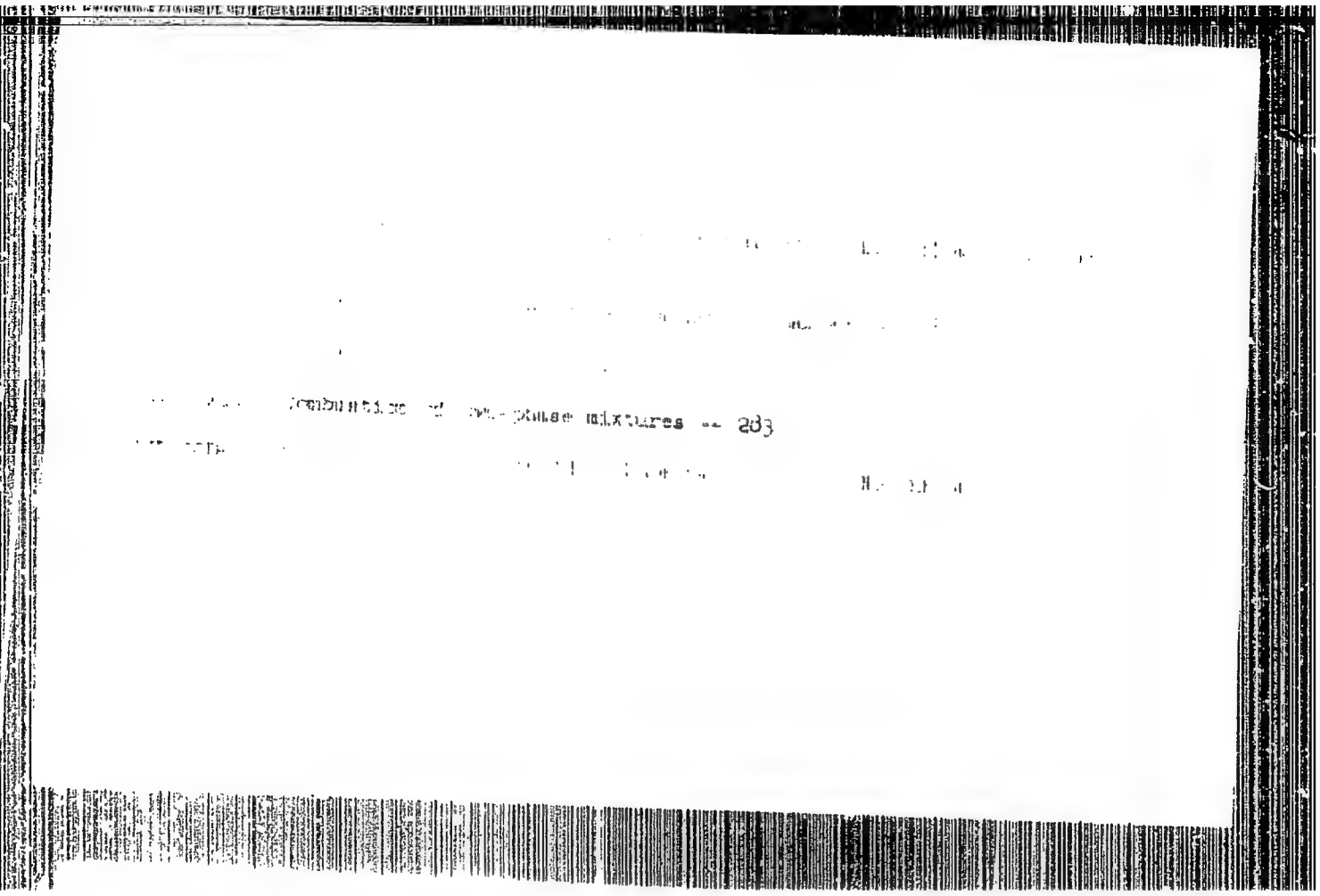
Card 3/3

IL'YASHENKO, Sergey Mikhaylovich [deceased]; TALANTOV, Aleksey Vasil'yevich; BOLGARSKIY, A.V., doktor tekhn. nauk, retsenzent; BESPALOV, I.V., kand. tekhn. nauk, retsenzent; KLYACHKO, L.A., kand. tekhn.nauk, retsenzent; CHUMACHENKO, B.N., inzh., red.; BONDARYUK, M.M., doktor tekhn. nauk, prof., red.; POPOV, A.V., red.

[Theory and design of direct-flow combustion chambers] Teoriia i raschet priamotochnykh kamer sgoraniia. Moskva, Mashinostroenie, 1964. 305 p. (MIRA 17:12)







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IL'YASHENKO, V.

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(Stalingrad--Gas)

GREYNER, Gans Rolandovich; IL'YASHENKO, Vladimir Pavlovich; PERVUSHIN, Nikolay Nikolayevich; CHUMAYEVSKIY, Viktor Alekseyevich; GEYNRIKHS, G.K., kand.tekhn.nauk, retsenzent; SEKUNOVA, O.N., nauchn.red.; SINITSIN, A.I., nauchn.red.; VASIL'YEVA, N.N., red.; FRUMKIN, P.S., tekhn. red.

[Automatic control of air pump compressor plants] Avtomatizatsiia vozdushnykh porshnevykh kompressornykh ustanovok. Moskva, Sudpromgiz, 1963. 147 p. (MIRA 16:8)
(Air compressors) (Automatic control)

ZAYTSEVA, L.L.; IL'YA[illegible], V.S.; [illegible], [illegible]; [illegible], [illegible],
LIPIS, L.V.; CHEBOTAREV, N.T.

Physicochemical properties of the crystal hydrates of rare-earth sulfates of the terbium subgroup. Zhur.neorg.khim. 10 no.8:1761-1770 Ag '65.

(MIRA 19:1)

1. Submitted May 5, 1964.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618520012-6"

IL'YASHENKO, V.V.; KIRYATSEV, Kh.A., insh.

Efficiency promotion at building sites. Izobr. i rats. 3 no.5:34-35 My '58. (MIRA 11:9)

1.Nachal'nik tekhnicheskogo otdela tresta "Nikopol'stroy" (for Il'yashenko). 2.Komissiya po ratsionalizatsii i izobretatel'stvu tresta "Nikopol'stroy" (for Kiryatsev).
(Building) (Suggestion systems)

IL'YASHENKO, V.Ya.

Senonian sediments on the right bank of the lower Amu Darya.
Trudy Uz.geol.upr. no.1:51-56 '60. (MIRA 14:8)
(Amu Darya Valley--Geology, Stratigraphic)

IL'YACHENKO, V.Ya.

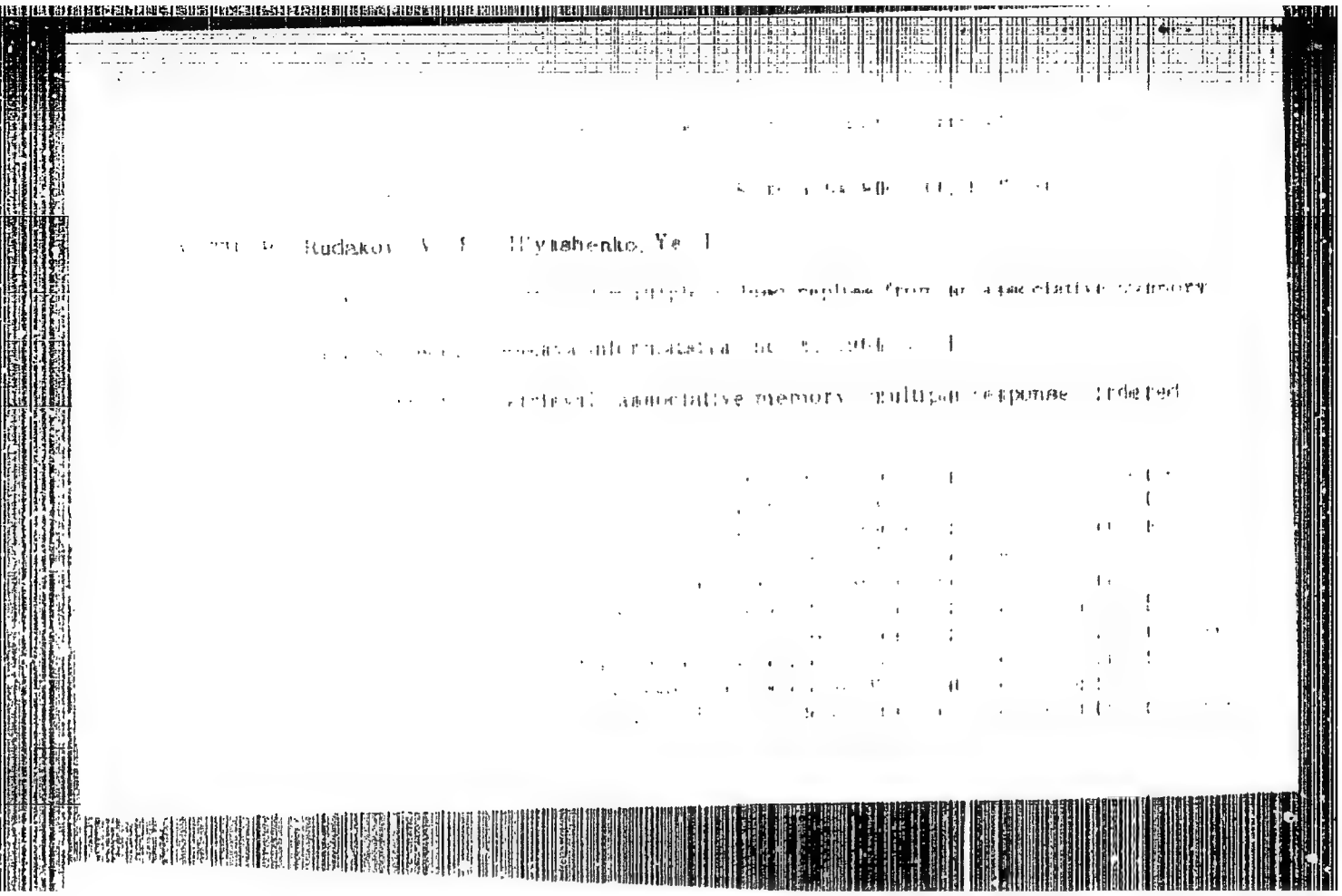
Phosphorite of the Campanian and Danian stages of the lower Amu Darya. Uch. zap. SAIGIMSa no.7:85-91 '62. (MIRA 17:2)

IL'YASHENKO, Ye.I.

Activity principle of the biax memory element. MTI no.4:27-29 '63. (MIRA 16:10)

IL'YASHENKO, Ye.I.

Study of nondestructive interrogation of ordinary ferrite toroids.
NTI no.9:27-31 '63. (MIRA 16:12)



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ACCESSION NR: AP4048653

matrix. A detector is in state one if there is no correspondence between its word and the request symbol and it is in state zero if such correspondence exists. The extraction of a multiple reply is reduced to determining which detectors [illegible]

ASSOCIATION: None

SUBMITTED: 04Apr64 ENCL: 00 SUB CODE: DP

NO REF SOV: 006 OTHER: 006

ATD PRESS: 4012

RUDAKOV, V.F.; IL'YASHENKO, Ye.I.

Methods of selecting a multiple answer from an associative memory.
NTI no.6:27-36 '64. (MIRA 17:9)

IL'YASHENKO, Ye.V.

Our experience in the struggle for the title of Brigade of Communist labor. Kozh.-obuv.prom.3 no.3:39 Mr '61.
(MIRA 14:6)

(Efficiency, Industrial)
(Kiev--Shoe industry)

IL'YASHENKO, Yu.; MUKHANOVA, N., red.

[Fruits of the land; sketches on the virgin lands] Khleb-sol'; ocherki o tseline. Alma-Ata, Kazgoslitizdat, 1964. 320 p. (MIRA 18:5)

YEFREMOVICH, V.A.; IL'YASHENKO, Yu.S.

Regular polygons in E^n space. Vest. Mosk. un. Ser.1: Mat., mekh. 17 no.5:18-24 S-O '62. (MIRA 15:9)

1. Kafedra vysshey geometrii i topologii Moskovskogo universiteta.

(Polygons)

KUNAYEV, Dzhavdat Sabirovich, kand.geologo-mineralogicheskikh nauk;
IL'YASHENKO, Yu.Ye., red.; TURUBAYEV, B., tekhn.red.

[Mineral resources of Kazakhstan] Poleznye iskopaemye Kazakhstana. Alma-Ata, Kazakhskoe gos. izd-vo, 1956. 148 p. (MIRA 11:5)
(Kazakhstan--Mines and mineral resources)

IL'YASHENKO, Yuriy Yevgen'yevich; GELOV, V., red.; KLIMOVA, T., tekhn.red.

[Chronicle of the village of Soldatovo] Khronika sela Soldatova. Moskva, Gos.izd-vo polit.lit-ry, 1960. 117 p. (MIRA 14:3)

(Kazakhstan--Collective farms)

IL'YASHEV, A.

Shelter from air attacks for the population in suburbs. Voen. znan. 34 no.11:26-27 N '58. (MIRA 12:1)
(Air defenses)

BABKIN, I.A.; BOGOLYUBSKIY, G.N.; BURLINOV, I.I.; VOZNESENSKIY, V.V.; DANILYUK, V.S.; ZAPOL'SKIY, G.N.; ZUBKIN, A.S.; IL'YASHEV, A.S.; KIPRIYAN, K.M.; KONDRAT'YEV, P.V.; KORABLEV, M.D.; LEBEDEVA, Yu.A.; MAKAROV, Yu.K.; MIROSHNIKOV, I.P.; NOVICHENKO, I.P.; POPOV, A.V.; SEREBRYAKOV, V.A.; KANEVSKAYA, M.D., red.; ANDRIANOV, B.I., tekhn.red.

[Protecting the public from present-day means of destruction; a textbook for organizations of the All-Union Voluntary Society for the Promotion of the Army, Aviation, and Navy] Zashchita naseleniia ot sovremennykh sredstv porazheniia; uchebnoe posobie dlia organizatsii Vsesoyuznogo dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu. Moskva, Izd-vo DOSAAF, 1958. 334 p. (MIRA 12:4)
(Civil defense)

BOGOLYUBSKIY, G.N.; BURLINOV, I.I.; VINOGRADOV, L.V.; [illegible]SKIY, V.V.; DANILYUK, V.S.; ZUBKIN, A.S.; IL'YASHEV, A.S.; KORABLEV, M.D.; LEBEDEVA, Yu.A.; MAKAROV, Yu.K.; MIROSHNIKOV, I.P.; NOVICHENKO, I.P.; POPOV, A.V.; SEREBRAKOV, V.A.; VARENNIKOV, I.S., red.; GODINER, F.Ye., red.; SORKIN, M.Z., tekhn. red.

[Protecting the population from present-day means of destruction] Zashchita naseleniia ot sovremennykh sredstv porazheniia; uchebnoe posobie dlia organizatsii DOSAAF. Pod obshchei red. I.S.Varennikova i L.V.Vinogradova. Izd.2., perer. i dop. Moskva, Izd-vo DOSAAF, 1962. 254 p. (MIRA 16:4)
(Civil defense)

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PHASE I BOOK EXPLOITATION SOV/6426

Bogolyubskiy, G. N., I. I. Burlinov, L. V. Vinogradov, V. V. Voznesenskiy, V. S. Danilyuk, A. S. Zubkin, A. S. Il'yashev, M. D. Korablev, Yu. A. Lebedeva, Yu. K. Makarov, I. P. Miroshnikov, I. P. Novichenko, A. V. Popov, and V. A. Serebryakov

Zashchita naseleniya ot sovremennykh sredstv porazheniya; uchebnoye posobiye dlya organizatsii DOSAAF (Protection of the Population From Modern Means of Destruction; Handbook for DOSAAF Organizations) 2d ed., rev. and enl. Moscow, DOSAAF, 1963. 254 p. 450,000 copies printed.

Sponsoring Agency: Vsesoyuznoye ordena krasnogo znameni Dobrovol'noye obshchestvo sodeystviya armii, aviatsii i floty.

Eds. (Title page): I. S. Varennikov and L. V. Vinogradov; Compilers: M. D. Korablev and Yu. A. Lebedeva; Ed.: F. Ye. Godiner; Tech. Ed.: M. Z. Sorkin.

Card 1/8

GLEBOV, P.D., professor, doktor tekhnicheskikh nauk; PANCHENKO, S.M., starshiy nauchnyy sotrudnik, kandidat tekhnicheskikh nauk; IL'YASHEV, O.M., mladshiy nauchnyy sotrudnik.

Investigation of the properties of cold asphalt mastic mixed with bitumen emulsions. Izv. VNIIG 56:82-100 '56. (MLRA 10:8)
(Asphalt) (Building materials)

GLEBOV, Petr Dmitriyevich; IL'YASHEV, Grigoriy Mikhaylovich; POPCHENKO, Sergey Nikolayevich; GIRSHKAN, I.A., red.

[Forming impervious curtains by injecting biruminous emulsions] Ustroistvo protivofil'tratsionnykh zaves nagnetaniem bitumnykh emul'sii. Moskva, Gos.energ.izd-vo, 1959. 44 p. (MIRA 13:3)
(Bituminous materials) (Soil percolation)

IL'YASHEV, R.

Some problems concerning improvement of commercial services in Kazakhstan. Sov. torg. 33 no.8:12-16 Ag '59. (MIRA 12:11)

1.Ministr torgovli Kazakhskoy SSR.
(Kazakhstan--Retail trade)

IL'YASHEV, R.

We shall work with perseverance and inspiration. Obshchestv. pit. no.12:6-8 D '61. (MIRA 16:12)

1. Ministr torgovli Kazakhskoy SSR.

ARZHANYY, P.M.; VOLKOVA, R.M.; PROKOSHKIN, D.A.; Prinimali uchastiye:
PETROVA, R.V.; IL'YASHEVA, N.A.

Investigating the diffusion of silicon and titanium in niobium.
Trudy Inst. met. no.11:78-82 '62. (MIRA 16:5)
(Niobium--Metallography) (Diffusion coatings)

IL'YASHEVICH, I. K.

"Shortcomings in Organization of Delivery Service at Mail Enterprises," Vest. svyazi, No.8, pp 21-22, 1953

Deputy Chief, Division for Organization and Operation of the Main Post Office Admin.

Translation No. 544, 30 Apr 56

IL'YASHEVICH, Iosif Konstantinovich

[Organization of mail delivery in the mountains] Organizatsiia dostavki korrespondentsii i pechati v gorodakh. Izd.2., perer. i dop. Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio, 1959. 73 p. (MIRA 14:4)

(Postal service)

ILIYASHEVICH, I. N.

Nurseries (Horticulture)

Role of tree and fruit tree nurseries in settlements of sparsely wooded regions Les. Khoz. 5 No. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified.

1, IL'YASHEVICH, I. N.

2. USSR (600)

4. Kuybyshev Province - Magnoliavine

7. Cultivation of Chinese magnoliavine in Gor'kiy Province, Les. khoz., 6, no. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

IL'YASHEVICH, V.A.; BOL'SHAKOVA, N.S., insh.; LOPES, G.S.; BIBIKOVA, T.T., insh.-khimik

Continous bleaching of cotton fabrics in open width on the AO -110 production line. Tekst.prom. 21 no.12:37-43 D '61. (MIRA 15:2)

1. Ispolnyayushchiy obyazannosti zaveduyushchego laboratoriyey varochnootbel'nykh mashin Vsesoyuznogo nauchno-issledovatel'skogo instituta tekstil'nogo mashinostroyeniya (for Il'yashevich). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut tekstil'nogo mashinostroyeniya (for Bol'shakova). 3. Glavnyy insh. otbel'no-krasil'noy fabriki Glukhovskogo khlopchatobumazhnogo kombinata imeni V.I.Lenina (for Lopes). 4. Khimicheskaya laboratoriya Glukhovskogo khlopchatobumazhnogo kombinata imeni V.I.Lenina (for Bibikova).

(Bleaching)
(Assembly-line methods)

YEVGRAFOVA, M.K., inzh.; IL'YASHEVICH, V.A., inzh.; VOL'NOVA, Z.G., nauchn. red.; BABAKOV, A.N., red.

[Continuous action equipment for the bleaching of cotton cloth and knitted fabrics] Oborudovanie neprerynnogo deistviia dlia otbelki khlopchatobumazhnoi tkani i trikotazhnogo polotna. Moskva, 1963. 39 p. (Seriia III: Novye mashiny, oborudovanie i sredstva avtomatizatsii, no.67) (MIRA 17:7)

1. Moscow. TSentral'nyy institut nauchno-tekhnicheskoy informatsii po avtomatizatsii i mashinostroyeniyu. 2. Vsesoyuznyy nauchno-issledovatel'skiy institut legkogo i tekstil'nogo mashinostroyeniya (for Il'yashevich).

DEREVYANKIN, V.A.; NOVOZHENOV, V.M.; IL'YASHEVICH, Ye.M.; KUZNETSOV, S.I.

Effect of washing on the settling rate of red mud in alumina production. TSvet. met. 38 no.9:55 S '65.

(MIRA 18:12)

BALANTER, Il'ya Isaakovich; BERLIN, Rafail Izrailevich; IL'YASHEVSKAYA, Genrietta Isaakovna; KOVALEVSKAYA, A.I., red.; SATAROVA, A.N., tekhn. red.

[Technological planning of breweries and soft-drink plants]Tekhnologicheskoe proektirovanie pivovarennykh zavodov i tsekhov bezalkogol'nykh napitkov. Moskva, Pishchepromizdat, 1962. 243 p. (MIRA 15:9)

(Brewing industry)
(Soft drinks—Equipment and supplies)

IL'YASHEVSKIY, V.B., inzh.

Efficient methods for assembling wooden cooling towers.
Stroi. truboprov. 5 no.4:18-20 Ap '60. (MIRA 13:9)
(Cooling towers)

SAMOYLOVICH, G.D., inzh.; IL'YASHEVSKIY, V.B., inzh. (Chelyabinsk)

Improved equipment for automatic welding of sections. Stroi. truboprov. 5 no.7:20-22 Jl '60. (MIRA 13:9)
(Pipelines—Welding)

IL'YASHEVSKIY, Ya.A., inshener.

Standard plans for farm buildings. Stroi.prom.32 no.11:32-37 N '54. (MLRA 7:11)

1. Glavnyy konstruktor Giprosel'khoza.
(Farm buildings)

IL'YASHEVSKIY, Ya. A., inzhener.

Sectional reinforced concrete girders. Bet.i zhel.-bet. no.11: 393-394 N '56. (MLRA 9:12)
(Girders) (Prestressed concrete)

IL'YASHEVSKIY, Ya., inzh.

Precast reinforced concrete components to be used in farm buildings.
Gor.i sel.stroi. no.8/9:15-16 Ag-S '57. (MIRA 10:12)
(Precast concrete) (Farm buildings)

IL'YASHEVSKIY, Yakov Arenovich; KRYLOV, N.V., inzh., nauchnyy red.; BUDARINA, E.M., red.izd-va; ML'KINA, E.M., tekhn.red.

[Precast concrete for farm buildings] Sbornyi zhelezobeton v sel'skokhoziaistvennykh proizvodstvennykh postroikakh. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1959. 206 p. (MIRA 12:6)
(Precast concrete construction)
(Farm buildings)

MURASHEV, V.A., prof., doktor tekhn.nauk; MIRONOV, S.A., prof., doktor tekhn.nauk; ALEKSANDROVSKIY, S.V., kand.tekhn.nauk; TAL', K.Z., kand.tekhn.nauk; DMITRIYEV, S.A., kand.tekhn.nauk; MULIN, N.M., kand.tekhn.nauk; SIGALOV, E.Ye., kand.tekhn.nauk; NEMIROVSKIY, Ya.M., kand.tekhn.nauk; TABENKIN, M.L., inzh. [deceased]; KALATUROV, B.A., kand.tekhn.nauk; BRAUDE, Z.I., inzh.; KRYLOV, S.M., kand.tekhn.nauk; POKIN, K.F., doktor tekhn.nauk; GUSEV, N.M., prof., doktor tekhn.nauk; YAKOVLEV, A.I., inzh.; KORENEV, B.G., prof., doktor tekhn.nauk; DERESHKEVICH, Yu.V., inzh.; MOSKVIN, V.M.; LUR'YE, L.L., inzh.; MAKARICHEV, V.V., kand.tekhn.nauk; SHEVCHENKO, V.A., inzh.; VASIL'YEV, B.F., inzh.; KOSTYUKOVSKIY, M.G., kand.tekhn.nauk; MAGARIK, I.L., inzh.; IL'YASHEVSKIY, Ya.A., inzh.; LARIKOV, A.F., inzh.; STULOV, T.T., inzh.; TRUSOV, L.P., inzh.; LYUDKOVSKIY, I.G., kand.tekhn.nauk; POPOV, A.N., kand.tekhn.nauk; VINOGRADOV, N.M., inzh.; USHAKOV, N.A., kand.tekhn.nauk; SVERDLOV, P.M., inzh.; TER-OVANESOV, G.S., inzh.; GLADKOV, B.N., kand.tekhn.nauk; KOSTOCHKINA, G.V., arkh.; KUREK, N.M.; OSTROVSKIY, M.V., kand.tekhn.nauk; PEREL'SHTEYN, Z.M., inzh.; BUKSHTEYN, D.I., inzh.;

(Continued on next card)

MURASHEV, V.A.---(continued) Card 2.
MIKHAYLOV, V.G., kand.tekhn.nauk; SIGALOV, E.Ye., kand.tekhn.nauk; GVOZDEV, A.A., prof., retsenzent; MIKHAYLOV, V.V., prof., retsenzent; PASTERNAK, P.L., prof., retsenzent; SHUBIN, K.A., inzh., retsenzent; TEMKIN, L.Ye., inzh., nauchnyy red.; KOTIK, B.A., red. izd-va; GORYACHEVA, T.V., red.izd-va; MEDVEDEV, L.Ya., tekhn.red.

[Handbook for designers] Spravochnik proektirovshchika. Pod obshchei red. V.I.Murasheva. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam. Vol.5. [Precast reinforced concrete construction elements] Sbornye zhelezobetonnye konstruktsii. 1959. 603 p. (MIRA 12:12)

1. Akademiya stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skiy institut betona i zhelezobetona, Perovo. 2. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Murashev, Gvozdev, Mikhaylov, V.V., Pasternak, Shubin). 3. Chlen-korresp. Akademii stroitel'stva i arkhitektury SSSR (for Mironov, Gusev, Moskvin, Kurek).

(Precast concrete construction).

ARKHANGEL'SKIY, P.Ye.; BERNSHTEYN, A.M.; BYKOV, M.A.; DLUGACH, M.L.; IL'YASHEVSKIY, Ye.A.; KIRILLOV, A.A.; KOZLOVSKIY, A.S.; KRYLOV, N.V.; LESOV, N.M.; MARTYNOV, P.T.; NIKANDROV, B.I.; PARUNIN, V.Ye.; RUDANOV, M.L.; SINYAKOV, V.K.; PAL'MER, O.G.; PETRYAKOV, A.I., red.; BALLOD, A.I., tekhn.red.

[Manual on the construction of farm buildings] Spravochnik po sel'skokhoziaistvennomu stroitel'stvu. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 704 p.
(Farm buildings) (MIRA 13:12)

IL'YASHOV, V. P.

AID P - 2967

Subject : USSR/Electricity

Card 1/1 Pub. 29 - 17/35

Author : Il'yashov, V. P., Eng.

Title : Curves for the computation of maximum current protections

Periodical : Energetik, 5, 22-23, My 1955

Abstract : The author presents computing graphs which he built for the ET-520 and IT-80 type relays. He gives examples of computation. Two diagrams.

Institution : None

Submitted : No date

IL'YASHOV, Ye.F.

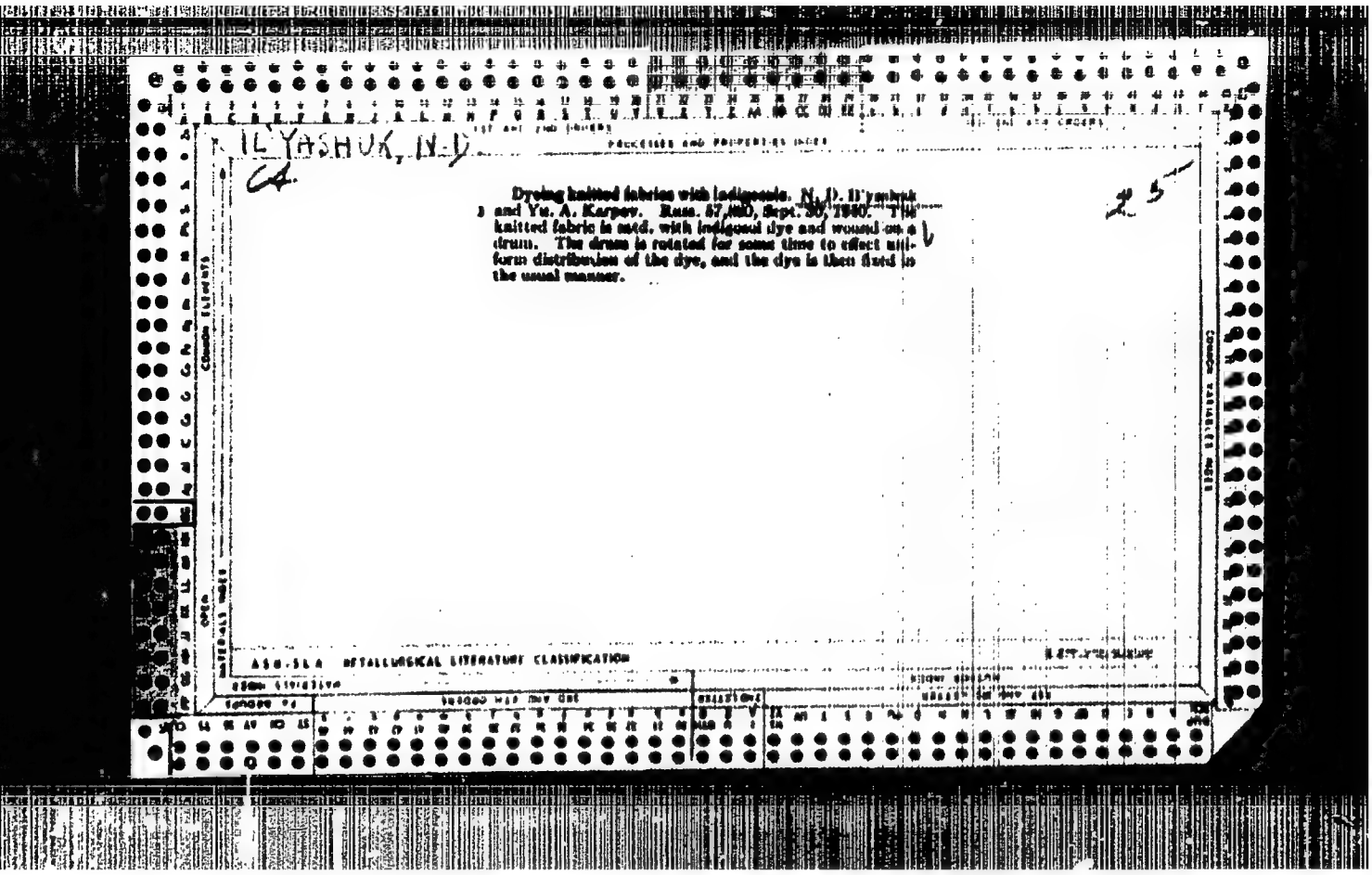
Schematic of the changeover of a physical circuit to a voice-frequency telegraphy channel. Avtom., telem. i sviaz' 8 no.11: 36-37 N '64. (MIRA 17:12)

1. Starshiy elektromekhanik Leningrad-Vitebskoy distantsii Oktyabr'skoy dorogi.

IL'YASHUK, M.I.

Prevention of the softening of cucumbers during pickling (from "Agricultural research," Dec., 1959). Kons.i ov.prom. 15 no.8:43 Ag '60. (MIRA 13:8)

(Cucumbers)



IL'YASHUK, N. I.

Dyeing knitted fabrics with indigosols. N. I. Il'yashuk and Yu. A. Karpov. Russ. 57,480, Sept. 30, 1940. The knitted fabric is satd. with indigosol dye and wound on a drum. The drum is rotated for some time to effect uniform distribution of the dye, and the dye is then fixed in the usual manner.

A50-51A METALLURGICAL LITERATURE CLASSIFICATION

IL'YASHUK, M.D., inzhener.

Removing oil spots and stains from knitted fabrics. Leg.prom.14 no.4: 28-31 Ap '54. (MLRA 7:6)
(Spotting (Cleaning))

IL'YASHUK, N. D., Engineer

"An Investigation in the Field of Vacuum Dyeing." Cand Tech Sci, Moscow Textile Inst, 20 January 1955. (VM, 11 Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

IL'YASHUK, N. D.

Category: USSR / Physical Chemistry - Surface phenomena. Adsorption. Chromatography. Ion exchange B-13

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 30188

Author : Lipatov S. M., Il'yashuk N. D.
Inst : not given
Title : Effect of Vacuum on Sorption of Dyes by Fibers

Orig Pub: Kolloid. zh., 1956, 18, No 5, 562-565

Abstract: In a specially designed apparatus a study was made of the sorption of dyestuffs (:) by fibers, in vacuum. It is shown that under conditions of a vacuum the sorption proceeds much more rapidly than under ordinary conditions, while the equilibrium state is the same in both instances. Experiments confirm the point of view of the authors, to the effect that under ordinary conditions the fibrous material contains air in sorbed and inclosed condition and therefore penetration of D inside the fiber is determined by competition of the molecules of air and D for space at the surface of the sor-

Card : 1/2 -8-

IL'YASHUK, N.D., kand. tekh. nauk

Vacuum dyeing of textile materials. Tekst. prom. 19 no.7:65-67 Jl '59. (MIRA 12:11)
(Dyes and Dyeing--Apparatus)

IL'YASHUK, N.D., kand.tekhn.nauk

VAKT-50 Vacuum dyeing apparatus. Tekst.prom. 19 no.10:
57-59 O '59. (MIRA 13:1)
(Dyes and dyeing--Apparatus)

IL'YASHUK, M.; GRUSHIN, M.; SHCHERBKO, B.

Apparatus "Perun-three-15." Prom.koop. 14 no.7:16-17 Jl '60. (MIRA 13:8)

1. Sotrudniki Nauchno-issledovatel'skogo tekhnokhimicheskogo instituta Rosprommoveta.
(Cleaning and dyeing industry)

IL'YASHUK, N.; BUZINA, Z., inzh.

The raincoat is waterproof again. Mest.prom.i khud.promys. 2 no.1:34 Ja '61. (MIRA 14:4)

1. Zaveduyushchiy laboratoriyey Nauchno-issledovatel'skogo tekhno-khimicheskogo instituta (for Il'yashuk).
(Waterproofing of fabrics)

IL'YASHUK, Nikolay Davidovich; TROSHCHENKO, Mariana Aleksandrovna; GOLUBEVA, Aneta Mikhaylovna; ZLATOVERHOV, B.S., red.; TRUSOV, N.S., tekhn. red.

[Technology of the chemical cleaning and dyeing of garments] Tekhnologiia khimicheskoi chistki i krashenilia odezhdy. Moskva. Goskhimizdat, 1963. 185 p. (MIRA 17:2)

IL'YASHUK, N.D., kand.tekhn.nauk; BUZINA, Z.S.

Impregnation of cotton raincoats with water-repellent compositions.
Trudy NITKHI no.1:66-80 '62. (MIRA 17:4)

112-57-8-17974

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1957, Nr 8, pp 306-307 (USSR)

AUTHOR: Il'yashuk, Yu. M.

TITLE: Noise-Study Instruments Developed by LIOT (Pribory dlya issledovaniya shuma, razrabotannyye LIOT)

PERIODICAL: Tr. Nauch. sessii Vses. n.-i. in-t okhrany truda (Transactions of the Scientific Session of the All-Union Scientific-Research Labor-Protection Institute), 1954, Nr 3, Leningrad, 1955, pp 82-102

ABSTRACT: The Leningrad Labor-Protection Institute (LIOT) has developed instruments for measuring and analyzing noise. In 1949, a noise meter was developed known as "ShLIOT with a loudness scale." Its noise-measuring range is: intensity level, 35 to 130 db; volume, 35 to 130 phons; loudness in natural-scale units, 0.5 to 5,000. The noise meter is battery supplied. Its weight is about 8 kg, and it is convenient and reliable in operation. It can be used for measuring mechanical vibration by means of a piezo-electric vibration pickup. In 1953, another noise meter was developed known as "Inspektorskiy ShI-53" (Inspector-type ShI-53). (In 1956, it will be manufactured by the industry as type ShI-1.) This noise meter

Card 1/2

USSR/ Electronics - Sound measuring

Card 1/1 Pub. 89 - 29/30

Authors : Il'yashuk, Yu.

Title : Instrument for measuring the loudness of noise

Periodical : Radio 3, 62 - 63, Mar 1955

Abstract : An analysis is made of the principles of the SH-3S noise meter, which was developed in the All-Union Scientific Research Institute for the Protection of Labor, to be used in the study of noise in industry with a view to its elimination. The instrument has small dimensions (300 x 15 x 110 mm) and a range from 54 to 140 db, besides being simple in operation. Drawing.

Institution: .....

Submitted : .....

IL'YASHUK, Yu.M., inzhenor.

Quiet workshops. Zdorov'e 1 no.7:14-15 '55 (MLRA 9:5)

(NOISE)

[illegible], Yu. N.

"A Portable 1/3-Octave Bandpass Spectrometer."

Paper presented at thte 4th all-Union Conf. on Accoustics, Moscow, 26 May - 4 Jun 58.

SOV/58-59-4-9075

Translation from: Referativnyy Zhurnal Fizika, 1959, Nr 4, p 243 (USSR)

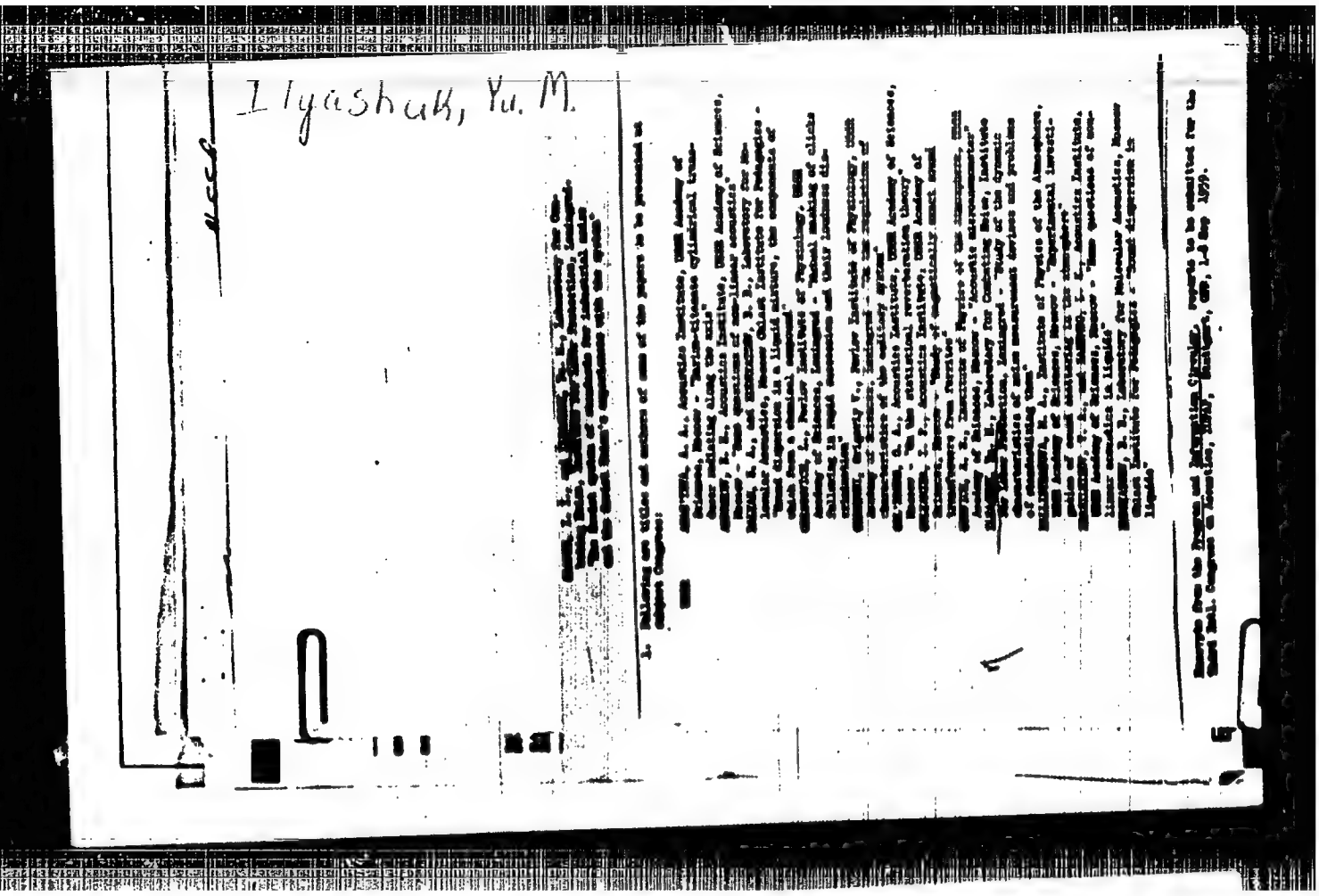
AUTHOR: Il'yashuk Yu.M.

TITLE: New Instrument for Noise Frequency Analysis

PERIODICAL: Byul. nauchno-tekhn. inform. po okhrane tryda, 1958, Nr 1, pp 53 - 62

ABSTRACT: The author describes a noise analyzer of the ASh-2-LIOT[28] type with 1/3-octave bands. A cut of the filter frequency characteristics is 60 db per octave. The instrument is provided with a semi-automatic filter switch controlled by one hand, as well as a frequency scale with range brightening. The dimensions of the analyzer are as follows: 333 x 216 x 165 mm; weight: 8 kg. The pointer indicator has a dynamic range of 30 db. The author submits diagrams and photographs of the instrument as a whole and of its components. (NII okhrany Truda VTsSPS, Leningrad, USSR).

Card 1/1



S/194/62/000/001/050/066
D201/D305

AUTHOR: Il'yashuk, Yu. M.

TITLE: Dynamic characteristics of noise frequency spectrum analyzers

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 1, 1962, abstract 1-7-55d (Sb. nauchn. rabot in-tov okhrany truda VTsSPS, 1960, no. 3, 72-79)

TEXT: The analysis of frequency spectra of noise by means of narrow band, manually tuned analyzers is cumbersome and of dubious value. Because of this the normally used analyzers work in conjunction with automatic recorders. In order to have a constant spectrogram scale the rates of revolution of the analyzer tuning shaft and that of the shaft of the tape moving mechanism are synchronized. The frequency characteristics obtained with continuous analyzer tuning are determined not only by the filter parameters, but also on the speed of the analysis. Such a characteristic, called dynamic, may differ considerably from the static one. The effect of

Card 1/2

S/194/62/000/001/050/066
D201/D305

Dynamic characteristics of ...

special features of instruments on the speed of analysis is considered and a rational system of mechanical drive of automatic analyzers is given: The analyzer and recorder shafts are connected by a normal transmission and this coupled system is revolved at a varying speed by a reduction gear having a continuously varying ratio or by a controlled speed motor. The analysis time of such an analyzer is minimum and remains constant within the whole of the operating range. 3 references. [Abstracter's note: Complete translation.]

Card 2/2

IL'YASHUK, Yu.M.; RAUKHVARGER, Z.O., red.; BOBYLEVA, M.I., red.; NIKOLAYEV, M.A., otv. red.; SEMENOV, A.G., tekhn. red.

[Methodological manual for the measurement and technical normaliza of noise in industrial equipment] Metodicheskoe rukovodstvo po izmereniiu i tekhnicheskomu normirovaniiu shuma proizvodstvennogo oborudovaniia. Leningrad, 1962. 64 p. (MIRA 16:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut okhrany truda.
(Industrial equipment—Noise)

IL'YASHCHUK, Yu. M.,

"Investigation of Methods for the Measurement of Commercial Noise and Ways of Improving the Quality" Dissertation for the Degree of Candidate of Sciences, Leningrad Electrotechnic Inst. of Communication im. M. A. Bonch-Bruyevich. Defense held on 10 May 1962.

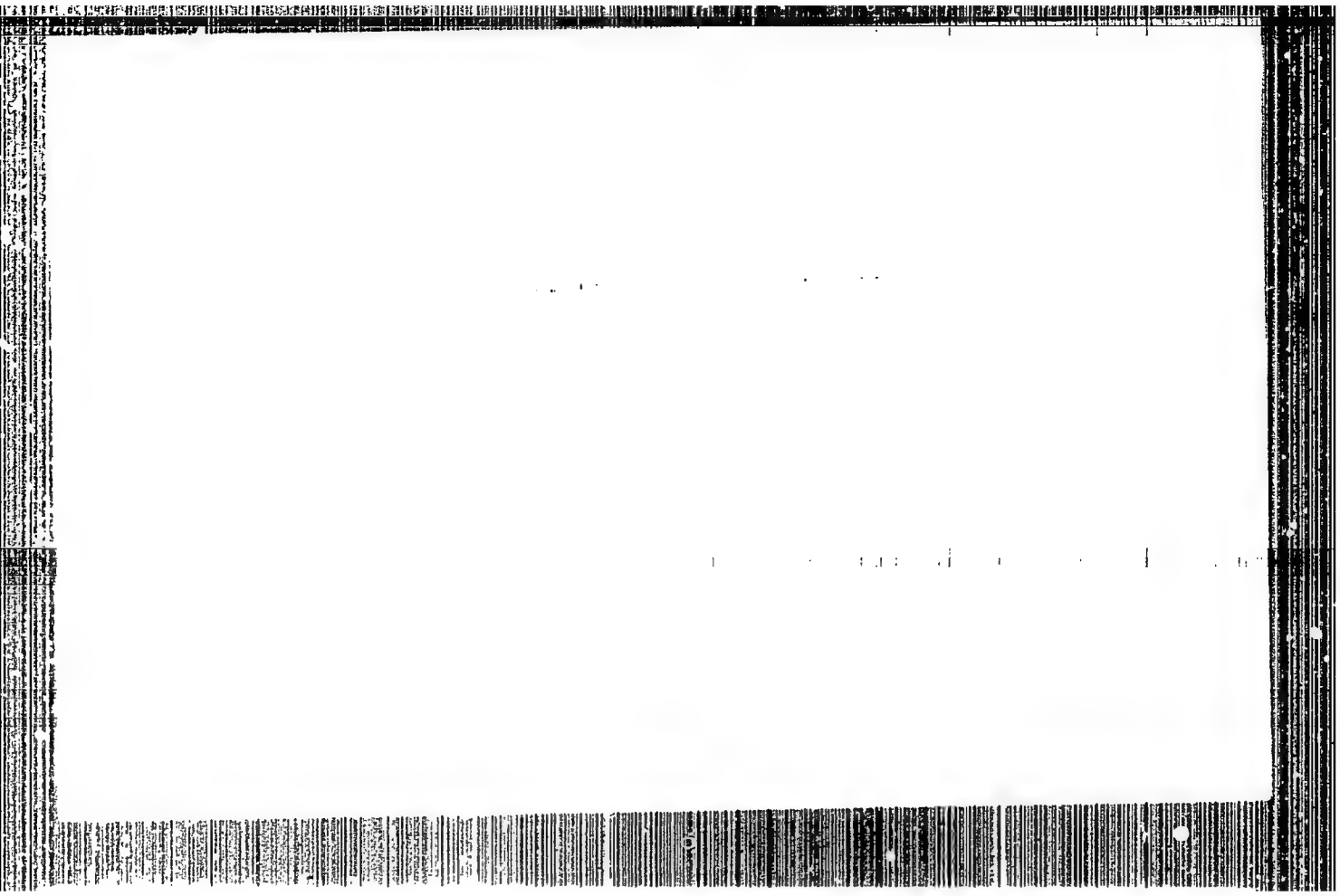
A classification for noise is defined, and errors in the measurement of noise level are determined. Feaures of different types of frequency analyzers are considered. It is shown that for identical tolerances for the discrepancy between the dynamic and static characteristics of a narrow-band analyzer, the greatest speed of analysis can be obtained in a heterodyne analyzer with linear frequency scale.

Izv Vysshikh ucheb. zaved. MViSSO SSSR po razdelu Radiotekhnika, vol. 6, No. 1, 1963 p. 98-102 (original checked--Cand. of Sciences as in original.)

IL'YASHYK, S.I.

Work of the Mogilev Provincial Medical Commission for the Evaluation of Workers' Disability. Zdrav. Bel. 9 no.1:14-15 J'63. (MIRA 16:8)

1. Predsedatel' Mogilevskoy oblastnoy vrachebno-trudovoy ekspertnoy komissii.
(MOGILEV PROVINCE--DISABILITY EVALUATION)



APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618520012-6"

BIKTASHEV, Ch.F.; [illegible]; [illegible], N.N.

Innovations introduced in the Bukhanguloro Regional Petroleum-pipeline Administration. Transp. i khran. nefti i nefteprod. no.7: 23-28 '64. (MIRA 17:8)

IL'YASOV, A. I.

21063 Gershenovich, R.S. i Il'yasov, A.I. Penitsillin v pediatrii (Lit. dozor) Voprosu pediatrii i okhrany materinstva i detstva, 1949, vyp. 3, s. 59-64.

SO: LETOPIS ZHURNAL STATEY - Vol. 28, Moskva, 1949

IL'YASOV, A. I.

"A Study of the State of Bone-Marrow Hemopoiesis and the Peripheral Blood in Children During Pneumonia." Cand Med Sci, Tashkent State Medical Inst, 5 Jan 55. (PV, 26 Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)

SO: Sum. No. 556, 24 Jun 55

IL'YASOV, A.I.

GERSHENOVICH, R.S.; IL'YASOV, A.I.; NURIDDINOV, M.P.

Hematological characteristic of toxic forms of pneumonia in children. Pediatriia no.9:15-19 S '57. (MIRA 10:12)

1. Iz kliniki gospital'noy pediatrii (dir. - zasluzhennyy deyatel' nauki prof. R.S.Gershenovich) Tashkentskogo meditsinskogo instituta
(PNEUMONIA) (BLOOD--EXAMINATION)

5(1)

AUTHORS: Burlachenko, I. I., Kulik, A. A., Poznyakova, T. M., Il'yasov, A. I. SOV/64-58-8-14/19

TITLE: Exchange of Experience - Experience in Using Liquid Nitrogenous Fertilizers (Obmen opytom. Opyt primeneniya zhidkikh azotnykh udobreniy)

PERIODICAL: Khimicheskaya promyshlennost', 1958, Nr 8, pp 492 - 494 (USSR)

ABSTRACT: In several Republics of the USSR, as in Uzbekistan and Kazakhstan, tests were started in the spring of 1956 on the use of liquid feritilzers. The UzSSR and KazSSR intended to use liquid ammonia and the ammoniate "A" (NH_4NO_3 64-67%, NH_3 14 - 17%, H_2O 16 - 22%, N_2 total 34-37%) on cotton plantations of an area of 5000 hectares. The Kombinat referred to in the Association was responsible both for the production and the technical aspects of the transportation of the liquid nitrogenous fertilizer. Ammonia tanks AFs-150 (on the chassis of the truck ZIS-150 with 2 cu.m.capacity,

Card 1/3

1350 kg ammonia, weight 1300 kg, 20 atmospheres) and the mobile tank ATsA-63 (on the chassis of a GAZ-63 truck; 2 cu. m., 2 t ammoniate, 2 atmospheres) were used, the latter for ammoniate. Both types showed a few shortcomings. The spraying of ammoniate was done by a Soviet machine PUA-1 and imported American machines. The former proved to be more efficient, though the tanks were too small. The results of tests conducted to establish the amount of energy needed for distributing liquid fertilizer (Table 1) and the effects of fertilizing (Table 2) are given in the article. Apart from the savings in the number of workers effected by the use of liquid fertilizers instead of ammonium nitrate (0.2 - 0.3 workers per day instead of 0.7), a further saving of 40 roubles per hectare is possible, as was found by the Ministerstvo sel'skogo khozyaystva respubliki (Ministry of Agriculture of the Republic). The cost price of 1 kg of nitrogen in the form of ammonia is 35% lower than with ammonium nitrate. According to the GIAP, capital investment for the construction of a 100000 t annual capacity ammonia plant is 100-110 million rbl. lower than for a similar

Exchange of Experience — Experience in Using Liquid Nitrogenous Fertilizers SOV/64-58-8-10/19

ammonium nitrate manufacturing plant. In 1957 experiments with liquid fertilizers were expanded considerably; gasoline tanks ATs-3800 were used for transporting ammonia and ammoniate. Moreover, the American machines mentioned above were modified. There are 3 tables.

ASSOCIATION: Chirchikskiy elektrokhimicheskiy kombinat im. I. V. Stalina (Chirchik Electro-Chemical Kombinat imeni I. V. Stalin)

Card 3/3

NABIYEV, M.N.; PALETSKIY, G.V.; ANISIMKIN, I.G.; NEHENKO, M.; KALININ, Ye.P.; TROFIMOV, S.M.; VURGAFT, G.V.; POPOV, V.S.; KOROL', P.Z.; KULIK, A.A.; KAL'MAN, L.A.; FARBER, S.I.; MATVEYEVA, N.Ye.; GAVRILOV, V.S.; KADYROV, V.K.; IL'YASOV, A.I.; YAKUBOV, S.G.; PROSKURIN, M.P.; NESTERENKO, A.P.; DEZHIN, N.D.; KOCHEROV, V., red.; POPOV, V., red.; SALAKHUTDINOVA, A., tekhn. red.

[Chirchik, a city of major industrial chemical complexes] Chirchik - gorod bol'shoi khimii. Tashkent, Goslitizdat UzSSR, 1962. 82 p. (MIRA 16:6)

1. Chlen-korrespondent Akademii nauk UzSSR (for Nabiyev).
2. Rabotniki Chirchikskogo elektrokhimkombinata (for all except Nabiyev, Kocherov, Popov, V., Salakhutdinova).
(Chirchik—Chemical plants)

NABIYEV, M.N., akademik; IBRAGIMOVA, U.I.; IL'YASOV, A.I.; RUBO, V.M.; NOVIKOVA, F.V.; GLAGOLEV, Ye.D.; GLAGOLEVA, A.F.; EYDEL'MAN, A.S., red.

[Liquid mixed fertilizers produced by treating phosphates with nitric acid] Zhidkie slozhnye duobreniia na osnove azotnokislotnoi pererabotki fosfatov. Tashkent, Izd-vo "Nauka" UzSSR, 1965. 402 p. (MIRA 18:8)

1. AN UzbekSSR (for Nabiyev). 2. Institut khimii AN UzbekSSR (for Ibragimova). 3. Chirchikskiy elektrokhimicheskiy kombinat (for Il'yasov.

ILIYASOV, A. T.

"Spring Floods in the Small Rivers of Tartary." Sub 12 Jun 51, Central Inst of Weather Forecasting.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO : Sum. No. 480, 9 May 55

IL'YASOV, A. T.

USSR/Hydrology - Infiltration 1 Jul 51

"Infiltration of Melted Waters Under Conditions of Chernozem and Podzol Soils," A. T. Il'yasov, Kazan Affiliate, Acad Sci USSR

"Dok Ak Nauk SSSR" Vol LXXIX, No 1, pp 61-64

Water infiltration depends mainly on nature of soil. As example, data on Meshi River (podzol) and Stepnoy Zay River (chernozem) are compiled. Graphs for both regions are drawn based on the eq $Q_{melted\ water} = Q_{snow\ water} - Q_{water\ losses}$. Presented by Acad L. I. Prasolov 3 May 51.

210T46

IL'YASOV A. T.

Kuybyshev region - rivers

Studying small rivers in the Kubyshev reservoir zone with the objective of using them for transport. Rech. transp. 12 No. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, August 1952. Unclassified.